<u>CLAIMS</u>

What is claimed is:

1   1.   A method comprising:

2   determining a first system Advanced Configuration and Power Interface

3   Specification (ACPI) state; and

4   switching a parallel Advanced Technology Attachment (PATA) based upon the

5   ACPI state.

1   2.   The method according to claim 1, wherein the ACPI S state is selected from the

2   group consisting of S0, S1, S2, S3, S4, and S5.

1   3.   The method according to claim 1, wherein the switching is between two devices.

1   4.   The method according to claim 3, wherein the two devices are the first system

2   and a subsystem.

1   5.   The method according to claim 4, wherein:

2   if the ACPI state is S0, S1, or S2 then the PATA is switched to the first system;

3   and

4   if the ACPI state is S3, S4, or S5 then the PATA is switched to the subsystem.

1   6.   The method according to claim 4, wherein:

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2   if the ACPI state is S0, or S1 then the PATA is switched to the first system; and

3   if the ACPI state is S2, S3, S4, or S5 then the PATA is switched to the

4   subsystem.

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1   7.   A machine-readable medium having stored thereon instructions, which when

2   executed by a processor, causes said processor to perform the following:

3   determine a first system Advanced Configuration and Power Interface

4   Specification (ACPI) state; and

5   switch a parallel Advanced Technology Attachment (PATA) based upon the

6   ACPI state.

1   8.   The machine-readable medium according to claim 7, wherein switching the

2   PATA is between a plurality of devices.

1   9.   A system comprising:

2   a Parallel Advance Technology Attachment (PATA) device connected to a

3   switch;

4   a first system to connect to the PATA device through the switch; and

5   a subsystem to connect to the PATA device through the switch;

1   10.   The system of claim 9, wherein the switch connecting the PATA device does not

2   connect both the first system and the subsystem to the PATA device simultaneously.

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1 11.   The system of claim 9, wherein the switch operation is controlled by signals

2 from the first system.

1 12.   An apparatus comprising:

2   means for determining a first system Advanced Configuration and Power

3 Interface Specification (ACPI) state; and

4   means for switching a parallel Advanced Technology Attachment (PATA) based

5 upon the ACPI S state.

1 13.   The apparatus of claim 12, wherein means for switching further comprises a

2 mutually exclusive switching means to a plurality of destinations.

1 14.   The apparatus of claim 12, wherein the ACPI state is selected from the group

2 consisting of S0, S1, S2, S3, S4, and S5.

1 15.   The apparatus of claim 12, wherein the means for switching the PATA device

2 determine whether to switch based upon signals from the first system.

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